Figure 11 shows the activation of ChemR23 by conditioned medium of 293T cells transiently transfected with TIG2. 293T cells were transiently transfected with pCDNA3-TIG2 or with pCDNA3 alone (mock transfected). Increasing volumes of the supernatant collected 4 days after transfection were analyzed using a Microlumat in an aequorin-based assay with CHO cells expressing ChemR23. The assay was performed in triplicate, and SD is indicated. A representative experiment is shown.

Figure 12 shows the characterization of antibodies directed against ChemR23 by flow cytometry. --

- On page 54, replace the paragraph at lines 9-13 and with the following replacement paragraph:

-- The conditioned medium of COS-7, CHO-K1 and HEK 293 cells transfected with pCDNA3 encoding TIG2 was collected and used for aequorin assays on CHO cells expressing ChemR23. Results are shown in Figure 11. Increasing amounts of conditioned supernatant resulted in an increase in luminescence in aequorin system cells expressing ChemR23. --

- Replace the paragraph on page 54, line 25 to page 55, line 7 with the following replacement paragraph:

-- Figure 12 shows the results of experiments to characterize the antibodies raised against ChemR23. A mixture of recombinant cells made up of 2/3 recombinant ChemR23 CHO cells and 1/3 mock-transfected CHO cells (negative control) was reacted with either a supernatant of cells expressing the anti ChemR23 5C 1H2 monoclonal antibody (thick line) or a supernatant from cells with no known antibody activity (thin line, grey filling). After staining with FITC labeled anti mouse Ig these preparations were analyzed by flow cytofluorometry. Results are displayed as a histogram of the number of cells (Events axis) expressing a given fluorescence (FL1-H axis). Monoclonal 5C 1H2 allowed the discrimination of the ChemR23 recombinant sub-population of cells from the negative control cells, as evidenced by the relative proportions of both types of cells. The background fluorescence of the assay is given by the second staining (grey filling).—

In the Drawings:

- On drawing sheet number 12, above the text, insert -- Figure 9 --.

- Re-number the drawing on drawing sheet number 13, marked "Figure 11," as -- Figure 10 --.

- Re-number the drawing on drawing sheet number 14, marked "Figure 12," as -- Figure 11 --.

- Re-number the drawing on drawing sheet number 15, marked "Figure 13," as -- Figure 12 --.

REMARKS

The amendment to page 1 inserts the serial number of the provisional application from which the present application claims priority. The Utility Patent Application Transmittal filed with the present application listed the serial number of the prior provisional application, and the amendment directed herein merely formalizes the priority claim in the specification proper. The amendment adds no new matter.

Figure 9 was not labeled on the drawing sheet filed with the application. The proposed amendment to the drawing on sheet number 12 of the drawings adds the designation "Figure 9" to the drawing sheet. This sheet, showing an alignment of sequences from mus, rat, tig2, sus, bos and gallus, with percent amino acid identities for each shown below the alignment, is clearly consistent with the description of Figure 9 on page 18 of the application as filed. The label was inadvertently omitted from the figure as filed. Applicants submit that the proposed amendment adds no new matter.

Figure 10 was inadvertently omitted from the application as filed. The figure showed a graph of the elution profile of Tig2 during the fifth step of its purification from ascitic fluid, and is not necessary for the understanding or practice of the claimed invention. The contents of the omitted figure are also described in the specification as filed at page 50, paragraph 3, without reference to the figure. The amendment deleting the reference to Figure 10 in the Brief Description of the Figures adds no new matter.

The amendments to paragraphs 2, 3 and 4 on page 19 are made so that the Brief Description of the Figures refers to the proper figure numbers after the proposed re-numbering of